



Product
Bulletin

GR104 Thermally-Conductive Heat-Sink Compound

GENERAL DESCRIPTION

GR104 is a one-component, non-drip, thermally conductive grease used to reduce thermal-impedance of the air gap present between the mating surfaces of a semi-conductor and heat sink. It is also used in automotive temperature-sensing devices.

ADVANTAGES

GR104 has excellent thermal conductivity and is non-dripping, and will not harden, dry out, or melt after 1,000 hours at 200°C.

SUGGESTED USES

- Semi Conductors
- Temperature-Sensors
- Potting

SHELF LIFE

1 year in a closed container

TYPICAL PROPERTIES

Color:	White
Viscosity:	Paste
Specific Gravity:	2.45 @ 25°C (20.4 lbs./gal)
Volume Resistivity:	2.0×10^{15} ohm/cm
Dielectric Strength:	450 volts/mil
Thermal Conductivity:	0.00177 gm cal/(sec)(cm ²)(°C/cm) 5.1 BTU/(hr)(ft ²)(°F/in)
Bleed:	0.0% after 24 hours @ 200°C
Evaporation:	0.5% after 24 hours @ 200°C
Press Flow @ 42.5 psi:	13 seconds @ 25°C through a .105 orifice

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